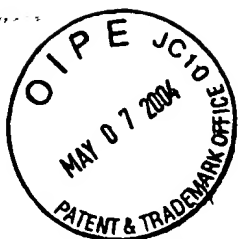


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Osram Opto Semiconductors  
GmbH & Co. OHG

Art Unit : Unknown  
Examiner : Unknown

Serial No. : 09/913,394

Filed : August 13, 2001

Title : OPTICAL SEMICONDUCTOR DEVICE WITH MULTIPLE QUANTUM WELL  
STRUCTURE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. Ref. AA is an English language related patent with respect to Ref. AL. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: May 5, 2004

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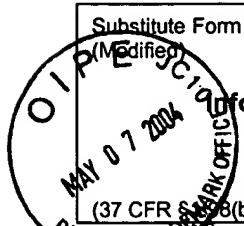
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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit May 5, 2004  
Jennifer Leveille  
Signature  
Jennifer Leveille  
Typed or Printed Name of Person Signing Certificate

Substitute Form PTO-1449 (Modified)  Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR § 1.102(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12406-021001	Application No. 09/913,394
	Applicant Osram Opto Semiconductors GmbH & Co. OHG		
	Filing Date August 13, 2001	Group Art Unit	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,023,077	02/08/2000	Iyechika et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	DE 19648955	05/28/1997	Germany				
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	Sergey Yu. Karpov et al., "A Quantitative Model of Surface...", Materials Research Society, Vol. 618, 2000, pgs. 185-191.
	AR	Jean-Michel Gérard, "Growth of InGaAs/GaAs heterostructures with abrupt interfaces on the monolayer scale", Journal of Crystal Growth, Vol. 150, 1995, pgs. 467-472.
	AS	
	AT	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	